

CLAIMS

1. Apparatus for collecting particles from air, comprising a cyclone having air inlet and outlet means, means maintaining an airflow there through and means delivering a collecting fluid from a reservoir to particles separated from the air flow in the cyclone, in which the air inlet means is associated with means for heating the incoming air.
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2. Apparatus according to Claim 1, in which the heating means is in thermal contact with at least a portion of an exterior surface of the air inlet means.
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3. Apparatus according to Claim 2, in which the heating means comprise a heating block having one or more heating elements.
- 15 4. Apparatus according to Claim 3, in which the heating block is configured so as to clamp or slide onto the air inlet means.
5. Apparatus according to Claim 3 or Claim 4, in which the heating block comprises a metal or metal alloy.
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6. Apparatus according to any preceding Claim, in which the heating means is associated with control means responsive to sensing means sensing temperature of air entering or exiting the cyclone.

7. Apparatus according to any preceding Claim, further comprising enclosure means enclosing the cyclone body and/or the reservoir.

8. Apparatus according to Claim 7, in which the enclosure means comprise a
5 rigid container having closure means.

9. Apparatus according to Claim 7 or Claim 8, in which the enclosure means comprises ventilation means.

10 10. Apparatus according to Claim 9, in which the ventilation means comprises a louvre.

11. Apparatus according to Claim 9 or Claim 10, in which the ventilation means further comprises a blower.

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12. Apparatus according to Claim 11, in which the blower is associated with second control means responsive to sensing means sensing temperature within the enclosure means.

20 13. A heating block assembly for heating an air inlet tube, comprising a plurality of heating block segments including a half-cylindrical surface in an upper surface thereof and mounting means for mounting the segments to the air inlet tube, in which the mounting means comprise hinged box members defining means for receiving the segments whereby closure of the box members places the half cylindrical surface of
25 each segment in contact with the outer surface of the air inlet tube.

14. An assembly according to Claim 13, in which the mounting means include screw clamping means fixing the position of the assembly on the air inlet tube.

15. Apparatus substantially as hereinbefore described with reference to, and as
5 shown in, the accompanying drawings.